

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS	3	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	4	MAR 31	CA/CAPLUS and CASREACT patent number format for U.S. applications updated
NEWS	5	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	6	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	7	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	8	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	9	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	10	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	11	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	12	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	13	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	14	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	15	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	16	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	17	JUN 25	CA/CAPLUS and USPAT databases updated with IPC reclassification data
NEWS	18	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS	19	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS	20	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS	21	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS	22	JUL 28	CA/CAPLUS patent coverage enhanced
NEWS	23	JUL 28	EPFULL enhanced with additional legal status information from the EPOline Register
NEWS	24	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS	25	JUL 28	STN Viewer performance improved
NEWS	26	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS	27	AUG 13	CA/CAPLUS enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS	28	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS	29	AUG 15	CAPLUS currency for Korean patents enhanced

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,

AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:58:47 ON 22 AUG 2008

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 07:59:16 ON 22 AUG 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 21 AUG 2008 HIGHEST RN 1042670-14-3
DICTIONARY FILE UPDATES: 21 AUG 2008 HIGHEST RN 1042670-14-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> E "UDP-GALN"/CN 25
E1 1 UDP-GALACTURONATE 4-EPIMERASE/CN
E2 1 UDP-GALACTURONIC ACID/CN
E3 0 --> UDP-GALN/CN
E4 1 UDP-GALNAC TRANSFERASE T10 (HUMAN KHM-1B CELL GENE GALNT10)/CN
E5 1 UDP-GALNAC-S/CN
E6 1 UDP-GALNAC:B-GALACTOSIDE
A1-4-N-ACETYL GALACTOSAMINYLTRANSFERASE (CAMPYLOBACTER JEJUNI)/CN
E7 1 UDP-GALNAC:BETAGALCNAC BETA 1,3-GALACTOSAMINYLTRANSFERASE,
POLYPEPTIDE 2 (XENOPUS TROPICALIS CLONE MGC:108126 IMAGE:7005588 GENE
B3GALNT2-PROV)/CN
E8 1 UDP-GALNAC:GLCNAC B1,4-N-ACETYL GALACTOSAMINYLTRANSFERASE
(CAENORHABDITIS ELEGANS)/CN

E9 1 UDP-GALNAC:GLCNACB-R
 B1.4-FWDARW.4-N-ACETYL GALACTOSAMINYLTRANSFERASE/CN
 E10 1 UDP-GALNAC:GLUCURONIDE A1-4-N-ACETYL GALACTOSAMINYLTRANSFERASE/CN
 E11 1 UDP-GALNAC:NEU5ACA2-3GALB-R
 B1.4-N-ACETYL GALACTOSAMINYLTRANSFERASE/CN
 E12 1 UDP-GALNAC:NEUACA2,3GALB-R B1,4-N-ACETYL GALACTOSAMINE
 TRANSFERASE (MOUSE CLONE PCDM8-CT)/CN
 E13 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINETRANSFERASE ENZYME
 E.C. 2.4.1.41 (OX CLONE G/B PRECURSOR)/CN
 E14 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (HUMAN
 CELL LINE MKN45 CLONE 2782 GENE GALNAC-T2)/CN
 E15 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE (HUMAN
 CELL LINE MKN45 GENE GALNAC-T1)/CN
 E16 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
 (SWINE)/CN
 E17 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE/CN
 E18 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
 (CAENORHABDITIS ELEGANS STRAIN N2 GENE GLY-3)/CN
 E19 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
 (CAENORHABDITIS ELEGANS STRAIN N2 GENE GLY-4)/CN
 E20 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
 (CAENORHABDITIS ELEGANS STRAIN N2 GENE GLY-5 ISOENZYME A)/CN
 E21 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
 (CAENORHABDITIS ELEGANS STRAIN N2 GENE GLY-5 ISOENZYME B)/CN
 E22 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
 (CAENORHABDITIS ELEGANS STRAIN N2 GENE GLY-5 ISOENZYME C)/CN
 E23 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
 (CAENORHABDITIS ELEGANS STRAIN N2 GENE GLY-6 ISOENZYME A)/CN
 E24 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
 (CAENORHABDITIS ELEGANS STRAIN N2 GENE GLY-6 ISOENZYME B)/CN
 E25 1 UDP-GALNAC:POLYPEPTIDE N-ACETYL GALACTOSAMINYLTRANSFERASE
 (CAENORHABDITIS ELEGANS STRAIN N2 GENE GLY-6 ISOENZYME C)/CN

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.46	0.67

STN INTERNATIONAL LOGOFF AT 08:00:09 ON 22 AUG 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 MAR 31 IFICDB, IFIPAT, and IFIUDB enhanced with new custom
IPC display formats
NEWS 3 MAR 31 CAS REGISTRY enhanced with additional experimental
spectra
NEWS 4 MAR 31 CA/Caplus and CASREACT patent number format for U.S.
applications updated
NEWS 5 MAR 31 LPCI now available as a replacement to LDPCI
NEWS 6 MAR 31 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 7 APR 04 STN AnaVist, Version 1, to be discontinued
NEWS 8 APR 15 WPIDS, WPINDEX, and WPIX enhanced with new
predefined hit display formats
NEWS 9 APR 28 EMBASE Controlled Term thesaurus enhanced
NEWS 10 APR 28 IMSRESEARCH reloaded with enhancements
NEWS 11 MAY 30 INPAFAMDB now available on STN for patent family
searching
NEWS 12 MAY 30 DGENE, PCTGEN, and USGENE enhanced with new homology
sequence search option
NEWS 13 JUN 06 EPFULL enhanced with 260,000 English abstracts
NEWS 14 JUN 06 KOREAPAT updated with 41,000 documents
NEWS 15 JUN 13 USPATFULL and USPAT2 updated with 11-character
patent numbers for U.S. applications
NEWS 16 JUN 19 CAS REGISTRY includes selected substances from
web-based collections
NEWS 17 JUN 25 CA/Caplus and USPAT databases updated with IPC
reclassification data
NEWS 18 JUN 30 AEROSPACE enhanced with more than 1 million U.S.
patent records
NEWS 19 JUN 30 EMBASE, EMBAL, and LEMBASE updated with additional
options to display authors and affiliated
organizations
NEWS 20 JUN 30 STN on the Web enhanced with new STN AnaVist
Assistant and BLAST plug-in
NEWS 21 JUN 30 STN AnaVist enhanced with database content from EPFULL
NEWS 22 JUL 28 CA/Caplus patent coverage enhanced
NEWS 23 JUL 28 EPFULL enhanced with additional legal status
information from the epoline Register
NEWS 24 JUL 28 IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 25 JUL 28 STN Viewer performance improved
NEWS 26 AUG 01 INPADOCDB and INPAFAMDB coverage enhanced
NEWS 27 AUG 13 CA/Caplus enhanced with printed Chemical Abstracts
page images from 1967-1998
NEWS 28 AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 29 AUG 15 Caplus currency for Korean patents enhanced

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer

agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:01:15 ON 22 AUG 2008

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:01:26 ON 22 AUG 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 21 AUG 2008 HIGHEST RN 1042670-14-3
DICTIONARY FILE UPDATES: 21 AUG 2008 HIGHEST RN 1042670-14-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

```
=> E "UDP GALACTOSAMINE"/CN 25
E1      1      UDP DISODIUM SALT/CN
E2      1      UDP FUCOSE/CN
E3      0 -->  UDP GALACTOSAMINE/CN
E4      2      UDP GALACTOSE 4-EPIMERASE (HUMAN LYMPHOBLAST GENE GALE)/CN
E5      1      UDP GALACTOSE UA/CN
E6      1      UDP GALACTOSE-1,2-DIACYLGLYCEROL GALACTOSYLTRANSFERASE/CN
E7      1      UDP GALACTOSE-2'-DEHYDROGENASE/CN
E8      1      UDP GALACTOSE-4-EPIMERASE (PACHYSOLEN TANNOPHILUS CLONE XIN 3-41
GENE PTGAL10)/CN
E9      1      UDP GALACTOSE-COLLAGEN GALACTOSYLTRANSFERASE/CN
E10     1      UDP GALACTOSE-N-ACYLSPHINGOSINE GALACTOSYLTRANSFERASE/CN
E11     1      UDP GALACTOSE:B-D-GALACTOSYL-1,4-N-ACETYL-D-GLUCOSAMINIDE
A(1,3)-GALACTOSYLTRANSFERASE/CN
E12     1      UDP GALACTURONATE-POLYGALACTURONATE
A-GALACTURONOSYLTRANSFERASE/CN
E13     1      UDP GLUCOSAMINE N-ACYLTRANSFERASE (AGROBACTERIUM TUMEFACIENS
STRAIN C58 GENE LPXD)/CN
E14     1      UDP GLUCOSAMINE N-ACYLTRANSFERASE (BDELLOVIBRIO BACTERIOVORUS
STRAIN HD100)/CN
E15     1      UDP GLUCOSAMINE N-ACYLTRANSFERASE (BRADYRHIZOBIUM JAPONICUM
STRAIN USDA110 GENE LPXD)/CN
E16     1      UDP GLUCOSAMINE N-ACYLTRANSFERASE (CHLAMYDIA PNEUMONIAE GENE
LPXD)/CN
```

E17 1 UDP GLUCOSAMINE N-ACYLTRANSFERASE (CHLAMYDIA PNEUMONIAE STRAIN
 J138 GENE LPXD)/CN
 E18 1 UDP GLUCOSAMINE N-ACYLTRANSFERASE (LEPTOSPIRA INTERROGANS
 COPENHAGENI STRAIN FIOCruz L1-130)/CN
 E19 1 UDP GLUCOSE 4-EPIMERASE (PASPALUM VAGINATUM CLONE PS UGE1)/CN
 E20 1 UDP GLUCOSE 4-EPIMERASE (SINORRHIZOBIUM MELILOTI STRAIN 1021 GENE
 EXOB/SMB20942)/CN
 E21 1 UDP GLUCOSE EPIMERASE (NEISSERIA MENINGITIDIS STRAIN B1940 CLONE
 PMF32.35 GENE GALE)/CN
 E22 1 UDP GLUCOSE EPIMERASE (PARTIAL) (FRANKIA ALNI STRAIN ACN14A)/CN
 E23 1 UDP GLUCOSE PHOSPHORYLASE/CN
 E24 1 UDP GLUCOSE PYROPHOSPHORYLASE (GRACILARIA GRACILIS GENE UGP)/CN
 E25 1 UDP GLUCOSE PYROPHOSPHORYLASE (PIG GENE UGP2)/CN

=> E "UDP-GALACTOSAMINE"/CN 25

E1 1 UDP-GALACTOPYRANOSE MUTASE GLF (STREPTOCOCCUS PNEUMONIAE STRAIN
 TP 25/38, SP 65/81 GENE GLF)/CN
 E2 1 UDP-GALACTOPYRANOSE MUTASE MPN278 (MYCOPLASMA PNEUMONIAE STRAIN
 M129 GENE YEFE)/CN
 E3 1 --> UDP-GALACTOSAMINE/CN
 E4 1 UDP-GALACTOSE/CN
 E5 1 UDP-GALACTOSE B-N-ACETYLGLUCOSAMINE B1,3-GALACTOSYLTRANSFERASE
 (HUMAN)/CN
 E6 1 UDP-GALACTOSE 4'-EPIMERASE (HUMAN FIBROBLAST GENE GALE)/CN
 E7 1 UDP-GALACTOSE 4-EPIMERASE/CN
 E8 1 UDP-GALACTOSE 4-EPIMERASE (ACIDITHIOBACILLUS FERROOXIDANS STRAIN
 ATCC-23270)/CN
 E9 1 UDP-GALACTOSE 4-EPIMERASE (AGROBACTERIUM TUMEFACIENS STRAIN C58
 GENE GALE)/CN
 E10 1 UDP-GALACTOSE 4-EPIMERASE (ALCANIVORAX BORKUMENSIS STRAIN SK2
 GENE GALE)/CN
 E11 1 UDP-GALACTOSE 4-EPIMERASE (ARABIDOPSIS THALIANA CLONE
 RAFL06-72-G11 (R11497) GENE AT4G10960)/CN
 E12 1 UDP-GALACTOSE 4-EPIMERASE (ARTHROBACTER AURESCENS STRAIN TC1)/CN
 E13 3 UDP-GALACTOSE 4-EPIMERASE (BACTEROIDES FRAGILIS STRAIN YCH46)/CN
 E14 1 UDP-GALACTOSE 4-EPIMERASE (BACTEROIDES THETAIOAOMICRON STRAIN
 VPI-5482 GENE BT2887)/CN
 E15 1 UDP-GALACTOSE 4-EPIMERASE (BRADYRHIZOBIUM JAPONICUM STRAIN
 61A101C GENE GALE)/CN
 E16 1 UDP-GALACTOSE 4-EPIMERASE (BRADYRHIZOBIUM JAPONICUM STRAIN
 USDA110 GENE GALE)/CN
 E17 1 UDP-GALACTOSE 4-EPIMERASE (BREVIBACTERIUM LACTOFERMENTUM GENE
 GALE)/CN
 E18 1 UDP-GALACTOSE 4-EPIMERASE (CORYNEBACTERIUM EFFICIENS STRAIN
 YS-314)/CN
 E19 1 UDP-GALACTOSE 4-EPIMERASE (ERWINIA AMYLOVORA STRAIN EA7/74 CLONE
 PEA200 GENE GALE) (EC 5.1.3.2)/CN
 E20 1 UDP-GALACTOSE 4-EPIMERASE (ESCHERICHIA COLI O157:H7 STRAIN
 EDL933 GENE Z3206)/CN
 E21 1 UDP-GALACTOSE 4-EPIMERASE (ESCHERICHIA COLI STRAIN O157:H7 GENE
 ECS2847)/CN
 E22 1 UDP-GALACTOSE 4-EPIMERASE (FRANKIA ALNI STRAIN ACN14A GENE
 GALE)/CN
 E23 1 UDP-GALACTOSE 4-EPIMERASE (FRANKIA ALNI STRAIN ACN14A)/CN
 E24 1 UDP-GALACTOSE 4-EPIMERASE (GALE-LIKE) (ACINETOBACTER BAUMANNII
 STRAIN ATCC 17978)/CN
 E25 1 UDP-GALACTOSE 4-EPIMERASE (GALE-LIKE) (ACINETOBACTER STRAIN
 ADP1)/CN

=> S E3

L1 1 UDP-GALACTOSAMINE/CN

=> DIS L1 1 SQUIDE

THE ESTIMATED COST FOR THIS REQUEST IS 6.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN

RN 17479-06-0 REGISTRY

CN Uridine 5'-(trihydrogen diphosphate), P'-(2-amino-2-deoxy- α -D-galactopyranosyl) ester (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Galactopyranose, 2-amino-2-deoxy-, 1 \rightarrow 5'-ester with uridine 5'-(trihydrogen pyrophosphate), α -D- (8CI)

CN Uridine 5'-(trihydrogen pyrophosphate), mono(2-amino-2-deoxy- α -D-galactopyranosyl) ester (8CI)

OTHER NAMES:

CN UDP-D-galactosamine

CN UDP-galactosamine

CN Uridine diphosphate galactosamine

CN Uridine diphosphogalactosamine

FS STEREOSEARCH

MF C15 H25 N3 O16 P2

CI COM

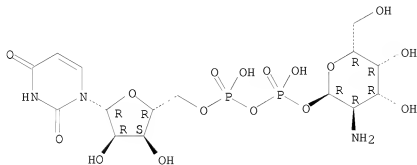
LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, MEDLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

DT.CA Caplus document type: Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

38 REFERENCES IN FILE CA (1907 TO DATE)

38 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

8.07

8.28

FILE 'CAPLUS' ENTERED AT 08:02:31 ON 22 AUG 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 22 Aug 2008 VOL 149 ISS 9
FILE LAST UPDATED: 21 Aug 2008 (20080821/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s l1

L2 38 L1

=> s l2 not py>2003

6143104 PY>2003

L3 22 L2 NOT PY>2003

=> s l2/biol

FIELD CODES CANNOT BE CHANGED HERE

You may have tried to apply a field code to a term that already has a field code. You can only add a field code to a term that has no field code appended to it.

=> s l1/biol

38 L1

7479609 BIOL/RL

L4 26 L1/BIOL

(L1 (L) BIOL/RL)

=> s l4 not py>2002

7171741 PY>2002

L5 15 L4 NOT PY>2002

=>

=>

Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

10.20

18.48

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:07:11 ON 22 AUG 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:11:58 ON 22 AUG 2008
FILE 'CAPLUS' ENTERED AT 08:11:58 ON 22 AUG 2008
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.20	18.48

=> d his

(FILE 'HOME' ENTERED AT 08:01:15 ON 22 AUG 2008)

FILE 'REGISTRY' ENTERED AT 08:01:26 ON 22 AUG 2008

E "UDP GALACTOSAMINE"/CN 25

E "UDP-GALACTOSAMINE"/CN 25

L1 1 S E3

FILE 'CAPLUS' ENTERED AT 08:02:31 ON 22 AUG 2008

L2 38 S L1

L3 22 S L2 NOT PY>2003

L4 26 S L1/BIOL

L5 15 S L4 NOT PY>2002

=> d l1

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN

RN 17479-06-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Uridine 5'-(trihydrogen diphosphate), P'-(2-amino-2-deoxy- α -D-galactopyranosyl) ester (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Galactopyranose, 2-amino-2-deoxy-, 1 \rightarrow 5'-ester with uridine

5'-(trihydrogen pyrophosphate), α -D- (8CI)

CN Uridine 5'-(trihydrogen pyrophosphate), mono(2-amino-2-deoxy- α -D-galactopyranosyl) ester (8CI)

OTHER NAMES:

CN UDP-D-galactosamine

CN UDP-galactosamine

CN Uridine diphosphate galactosamine

CN Uridine diphosphogalactosamine

FS STEREOSEARCH

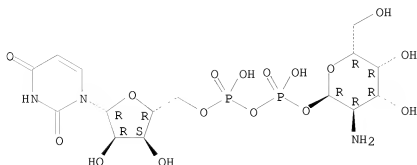
MF C15 H25 N3 O16 P2

CI COM

LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, MEDLINE, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

38 REFERENCES IN FILE CA (1907 TO DATE)
38 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 08:01:15 ON 22 AUG 2008)

FILE 'REGISTRY' ENTERED AT 08:01:26 ON 22 AUG 2008

E "UDP GALACTOSAMINE"/CN 25

E "UDP-GALACTOSAMINE"/CN 25

L1 1 S E3

FILE 'CAPLUS' ENTERED AT 08:02:31 ON 22 AUG 2008

L2 38 S L1

L3 22 S L2 NOT PY>2003

L4 26 S L1/BIOL

L5 15 S L4 NOT PY>2002

FILE 'REGISTRY' ENTERED AT 08:12:22 ON 22 AUG 2008

FILE 'CAPLUS' ENTERED AT 08:12:22 ON 22 AUG 2008

=> s l5 and (cancer? or tumor? or neoplas?)

389450 CANCER?

529345 TUMOR?

556783 NEOPLAS?

L6 3 L5 AND (CANCER? OR TUMOR? OR NEOPLAS?)

=> d ibib abs 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1993:144618 CAPLUS

DOCUMENT NUMBER: 118:144618

ORIGINAL REFERENCE NO.: 118:24807a,24810a

TITLE: Phosphorus metabolite characterization of human prostatic adenocarcinoma in a nude mouse model by phosphorus-32 magnetic resonance spectroscopy and high pressure liquid chromatography

AUTHOR(S): Kurhanewicz, John; Dahiya, Rajvir; Macdonald, Jeffrey M.; Jajodia, Prahallad; Chang, Lee Hong; James, Thomas L.; Narayan, Perinchery

CORPORATE SOURCE: Sch. Med., Univ. California, San Francisco, CA, 94143-0738, USA

SOURCE: NMR in Biomedicine (1992), 5(4), 185-92
CODEN: NMRBEF; ISSN: 0952-3480

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A series of expts. were conducted to identify and quantify the phosphorus metabolites of DU 145 xenografts (a human prostatic adenocarcinoma cell line grown in nude mice) using ³¹P MRS and HPLC. The ³¹P spectral characteristics of DU 145 xenografts were compared to perfused DU 145 cells and to in situ human prostatic adenocarcinomas. These studies demonstrated that both DU 145 xenografts and perfused DU 145 cells exhibited reduced levels of phosphocreatine relative to spectra of in situ human prostatic adenocarcinomas. Elevated levels of phosphomonesters (PMEs) were observed in ³¹P spectra of both DU 145 xenografts and in situ human prostatic adenocarcinomas. The major components of the PME resonance of DU 145 xenografts were identified as phosphocholine and phosphoethanolamine. High levels of diphosphodiester (DPDEs) were consistently observed for both DU 145 xenografts and perfused DU 145 cells, but were absent in ³¹P spectra of in situ primary human adenocarcinomas. In agreement with spectroscopic results, high pressure liquid chromatog. analyses of human tissue removed at surgery contained insignificant amt. of DPDEs while DU 145 xenografts had high levels of DPDEs consistently mainly of uridine-5'-diphospho-N-acetylgalactosamine (22.4 nmol/mg protein) and uridine-5'-diphospho-N-acetylglucosamine (7.4 nmol/mg protein).

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1983:498927 CAPLUS

DOCUMENT NUMBER: 99:98927

ORIGINAL REFERENCE NO.: 99:15104h,15105a

TITLE: Combined action of acivicin and D-galactosamine on pyrimidine nucleotide metabolism in hepatoma cells

AUTHOR(S): Leube, Karen; Keppler, Dietrich O. R.

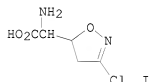
CORPORATE SOURCE: Biochem. Inst., Univ. Freiburg, Freiburg/Br., D-7800, Fed. Rep. Ger.

SOURCE: Biochemical Pharmacology (1983), 32(12), 1865-9
CODEN: BCPCA6; ISSN: 0006-2952

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB The glutamine antagonist acivicin (I) [42228-92-2] strongly reduced CTP [65-47-4] and GTP [86-01-1] contents in AS-30D rat hepatoma cells in suspension. UTP [63-39-8] had fallen to only 63% of the resp. control after 4 h; however, by combining acivicin with the uridylate-trapping sugar analog D-galactosamine [7535-00-4], a synergistic decrease in UTP contents to 7% of control was induced. Incorporation of ¹⁴C₂ into purine and pyrimidine nucleotides, determined by radio-high performance liquid

chromatog., showed marked inhibition of purine and pyrimidine biosynthesis de novo; the latter was reduced to 35% of control. The inhibitory potency of acivicin on glutamine-dependent carbamoylphosphate synthetase and consequently on de novo uracil nucleotide formation was also reflected by the complete suppression of the D-galactosamine-induced rise in total uridylate. Induction of UTP deficiency by interference with the 1st and rate-limiting step in pyrimidine biosynthesis de novo, together with trapping of uridylate by D-galactosamine, may provide a promising approach to the chemotherapy of hepatocellular carcinoma.

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on SIN

ACCESSION NUMBER: 1975:557834 CAPLUS

DOCUMENT NUMBER: 83:157834

ORIGINAL REFERENCE NO.: 83:24711a,24714a

TITLE: Effect of D-glucosamine and D-galactosamine on the uridine nucleotide concentration in mouse myeloid tumor (Graffi) and myeloma MOPC-21

AUTHOR(S): Chelibonova-Lorer, Kh.

CORPORATE SOURCE: Inst. Gen. Comp. Pathol., Sofia, Bulg.

SOURCE: Neoplasma (1975), 22(1), 23-7

CODEN: NEOLA4; ISSN: 0028-2685

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The effect of D-glucosamine [3416-24-8] and D-galactosamine [7535-00-4] on the content of uridine nucleotides in myeloid tumor (Graffi) and myeloma MOPC-21 of mice was investigated in vivo. After treatment with aminosugars (1.5g/kg., i.p.) a marked decrease in UTP [63-39-8] and UDP-glucose [133-89-1] quantity was found. The trapping of uridine phosphates by formation of UDP-sugar derivs. was different in the 2 tumors and depended on the aminosugar employed. D-glucosamine provoked an increase in the UDP-N-acetylglucosamine [528-04-1] pool size in myeloid tumor (Graffi) and myeloma MOPC-21. D-Galactosamine administration led to formation of UDP-galactosamine [17479-06-0] and UDP-N-acetylglucosamine in myeloma MOPC-21, while in myeloid tumor (Graffi) an increase in the content of UDP-N-acetylglucosamine was obtained only.

=> d his

(FILE 'HOME' ENTERED AT 08:01:15 ON 22 AUG 2008)

FILE 'REGISTRY' ENTERED AT 08:01:26 ON 22 AUG 2008

E "UDP GALACTOSAMINE"/CN 25

E "UDP-GALACTOSAMINE"/CN 25

L1 1 S E3

FILE 'CAPLUS' ENTERED AT 08:02:31 ON 22 AUG 2008

L2 38 S L1

L3 22 S L2 NOT PY>2003

L4 26 S L1/BIOL

L5 15 S L4 NOT PY>2002

FILE 'REGISTRY' ENTERED AT 08:12:22 ON 22 AUG 2008

FILE 'CAPLUS' ENTERED AT 08:12:22 ON 22 AUG 2008

L6 3 S L5 AND (CANCER? OR TUMOR? OR NEOPLAS?)

=> s 15 and biotin

35026 BIOTIN

127 BIOTINS

35039 BIOTIN

(BIOTIN OR BIOTINS)
L7 0 L5 AND BIOTIN

=> s 12 and biotin
35026 BIOTIN
127 BIOTINS
35039 BIOTIN

(BIOTIN OR BIOTINS)
L8 0 L2 AND BIOTIN

=> s 14 not py>2003
6143104 PY>2003

L9 15 L4 NOT PY>2003

=> s 11/thu
38 L1
1040588 THU/RL

L10 1 L1/THU
(L1 (L) THU/RL)

=> d ibib abs

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1293546 CAPLUS

DOCUMENT NUMBER: 144:40813

TITLE: Selectively treating cancer and angiogenesis
associated diseases with specific glycosaminoglycan
polymers

INVENTOR(S): Deangelis, Paul L.

PATENT ASSIGNEE(S): Board of Regents of University of Oklahoma, USA

SOURCE: U.S. Pat. Appl. Publ., 92 pp., Cont.-in-part of U.S.
Ser. No. 542,248.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 29

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
US 20050272696	A1	20051208	US 2005-172145	20050630
EP 1832662	A2	20070912	EP 2007-7453	19990401
EP 1832662	A3	20071107		
R: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, AL, LT, LV, MK, RO, SI				
US 6444447	B1	20020903	US 1999-437277	19991110
US 20030104601	A1	20030605	US 2001-842484	20010425
US 20030099967	A1	20030529	US 2002-142143	20020508
US 7307159	B2	20071211		
US 20060188966	A1	20060824	US 2002-195908	20020715
US 20030113845	A1	20030619	US 2002-217613	20020812
US 6987023	B2	20060117		
US 20040132143	A1	20040708	US 2003-642248	20030815
US 7223571	B2	20070529		
US 20050059118	A1	20050317	US 2004-990844	20041117
US 20050266460	A1	20051201	US 2005-124215	20050509
US 7232684	B2	20070619		
AU 20050287397	A1	20060330	AU 2005-287397	20050630
CA 2572154	A1	20060330	CA 2005-2572154	20050630
WO 2006033693	A2	20060330	WO 2005-US23452	20050630
WO 2006033693	A3	20070531		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

EP 1768678 A2 20070404 EP 2005-788952 20050630

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU

US 20060141535 A1 20060629 US 2006-352664 20060213

US 20070298461 A1 20071227 US 2007-799130 20070501

US 20080125393 A1 20080529 US 2007-977131 20071023

PRIORITY APPLN. INFO.:

US 1998-80414P P 19980402

US 1998-107929P P 19981111

US 1999-283402 B2 19990401

US 1999-437277 A2 19991110

US 2000-199538P P 20000425

US 2001-842484 A2 20010425

US 2001-289554P P 20010508

US 2002-142143 A2 20020508

US 2002-195908 A2 20020715

US 2002-404356P P 20020816

US 2003-479432P P 20030618

US 2003-491362P P 20030731

US 2003-642248 A2 20030815

US 2004-584442P P 20040630

US 1998-178851 A 19981026

EP 1999-917339 A3 19990401

US 2000-245320P P 20001102

US 2001-842930 A3 20010425

US 2001-296386P P 20010606

US 2001-303691P P 20010706

US 2001-305263P P 20010713

US 2001-313258P P 20010817

US 2001-345497P P 20011109

US 2002-350642P P 20020122

US 2002-391787P P 20020620

US 2002-217613 A1 20020812

US 2004-990844 A3 20041117

US 2005-124215 A1 20050509

US 2005-172145 A 20050630

WO 2005-US23452 W 20050630

AB The present invention demonstrates that defined, specific GAG mols. have discerned differential effects, and that different types of cancers are prevented from proliferating and/or killed by oligosaccharides of different sizes; one size sugar does not treat all cancers effectively. Likewise, certain size GAGs have more potent angiogenic properties; thus, mixts. of different sizes of GAG mols. are not optimal. Therefore, the present invention is directed to methods of "personalized medicine", in which customized defined, specific GAG mols. are administered to a patient, wherein the defined, specific GAG mols. are chosen based on the specific ailment from which the patient is suffering and/or the response of in vitro testing of the ability of the defined, specific GAG mols. to treat, inhibit and/or prevent the ailment in a sample from the patient.

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	33.20	54.62
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.20	-3.20
STN INTERNATIONAL LOGOFF AT 08:20:33 ON 22 AUG 2008		